June 13th). The conditions of development were evidently most suitable to the larvæ; the resulting imagines were very fine specimens.

1. (Normal ova and normal warm larvæ).				
a (+°pupæ,	not above 37	°C. transfer	red immedi	ately.)
Oval stg.	Larval stg.	Pupatea.	Pupai sig.	Emergea.
26 or 28.5-10.	6 —	27 - 28.6	-	6-8.7=39-43 days.
13 or 15	17-18		8-11 (day	s)= of 78 pupæ, all emerge
as var. teloides, but among these there are 9 ab. teloides-mgrifas-				
The ground colour was darkened in all the specimens and among them				
are also 15 lucidocellata, 7 belonging to the fasciated, and 8 to the				
common forms of teloides. The tendency to ab. marginalis was visible				
in a few specimens. All but the 9 ab. teloides-nigrifasciata were let fly.				
Oval sta Larval sta Punated Punal sta Emerged				
	Larvar sig.	I upittea.	I apar seg.	
26 or 28.5-10.6	_	27 - 28.6		9-11.7 = 42-46 days.
14 or 16	17-18		11-14 (day	s) = of 25 pupe all were var.
Ground colour dark 11 specimens were set				
c_1 . (transferred as larvæ (pupating) to the mean shade-temperature, pupated				
30.6 (ins	tead of 28.6	After the	e 6.7 the pu	pæ were kept at $+20-40$ °C).
Oval stg.	Larval stg.	Pupated.	Pupal stg.	Emerged.
26 or 28 5-10 (3	30.6		16.7 = 49-51 days.
13 or 15	20		16 (days) = of seven pupæ, seven
fine ab. mesoides-brunnea, one with grey hindwing ocellus. The wing				
margins were more dentated than usual. All were set. The sensitive				
fixed in these nume by the 6.7 at about $10-12^{\circ}$ C. The nights were only				
8°C. warm at that period, the thermometer recording 50°F. (10°C.) only				
on the 30.6.				
c_2 . (transferred as c_1 , but kept in the cold till the 16.7, afterwards + 25 to				
Oval stg.	Harval stg.	Pupated.	20 to 40 C. Pupal stg.	+ Emerged.
26 or 28.5-10.0	3	30.6		21-22.7 = 54-57 days.
13 or 15	+ 20 doubyon au	anoidan of t	21-22 (da)	$y_s) = the 6 + pupe emerge$
a fine ab, mesoides-brunnea, the rest are dead or cripples of the same				
form. This time the ground colour only was influenced by the extreme				
temperatures. All were set.				
c_3 , (transferred as under c_1 , but left wholly in the cold).				
0 tai 50g.			r upur sig.	
26 or 28.5-10.6	3 —	28.6 - 2.7		1-3.8=65-69 days.
13 or 15	18-22	lowed ways	30-36 (da	y_{s} = all the 70 pupe emerge
a full row of black spots in the margins of the forewings: 36 were set.				

Of 296 specimens here recorded 190 are ab. cyanosticta, Rayn.

Some Parasites of Lasius fuliginosus, L. niger, and L. flavus. By W. C. CRAWLEY, B.A., F.E.S.

During August and September, 1898, I had a colony of *Lasius fuli*ginosus in a "Lubbock" observation nest. On August 29th, I noticed among the larvæ three small brown objects, each stationed on a larva. These mites were about the size of a pin's head, and had a highly polished shell; the legs, which did not project beyond the edge of the shell, were soft and incapable of gripping the body of the larva. These parasites occasionally changed their position on the larvæ, and did not appear to injure them in any way. The ants took no notice of them.

In this nest there was a large number of Antennophori (the species was without doubt A. grandis), about 12 per cent. of the ants being infested with them. The same summer I found Antennophori with both Lasius niger and L. flavus. The position of an Antennophorus on an ant was generally the underside of the head, though they were occasionally seen on the top of the head, on an antenna, and on the abdomen. Sometimes as many as three were on one ant, two generally being on the abdomen, and the third under the head. On one occasion I saw a pair apparently copulating on the antenna of a L. niger. I observed ants of this species try to brush the parasites from their antennæ.

On August 13th, 1909, I found an Antennophorus on the underside of a \S of *Lasius flavus* belonging to a colony in a "Janet" nest. When I first observed the Antennophorus it was attempting to transfer itself to the head of a \mathcal{J} standing face to face with the \mathcal{J} , but though it made several attempts, the 3 always drew back in time to prevent the parasite getting hold. The Antennophorus made no attempt to transfer itself to other \forall s. Its host occasionally attempted to brush it away when feeding larvæ, as, owing to the position of the parasite, the ant could not reach the mouths of the larvæ. This ant never seemed to leave the chamber that I first found it in, as it was there every day I looked for it. On November 12th, 1909, I removed this Antennophorus from its host. It gripped the point of a needle so fiercely, that some force was required to dislodge it. Thus it is easy to understand that the ants could not remove these parasites themselves, even if they wished. I put this Antennophorus in a nest of Lasius niger, where it remained stationary, waving its "feelers" to and fro. Several ants touched it with their antennæ, and went away. At last an ant seized it by one of its "feelers." The Antennophorus instantly clung to the ant's head, the ant, meanwhile, running backwards in great agitation. At last the ant released its grip of the Antennophorus, which immediately ran with extraordinary quickness along the left side of the ant, and stationed itself on the left side of the abdomen. The ant writhed and rolled over and over, but could not get rid of its burden. For some hours after the ant showed signs of discomfort, but eventually seemed to become resigned to its burden. Several other ants examined the parasite, but made no attempt to remove it. I saw the parasite the next day in the same position on its host, but since then I have been unable to find it. A great many ants in the above-mentioned nest of L. fuliginosus, carried on the the top of the thorax numbers of a small oblong white parasite, which seemed to cause the ants considerable discomfort.

Aphides of Lasius niger.

BY W. C. CRAWLEY, B.A., F.E.S.

On August 31st, 1895, I found three aphides in a nest of *L. niger*, two of which I secured. They were moving about among the ants, and were not attached to grass roots, as the common species of aphis kept by this ant usually is. These aphides were different from any others that I had ever found in ants' nests, and the full-grown ones were of a considerable size, fully $\frac{1}{5}$ inch in length. They were creamy-white